

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Olivier MEYNARD) RE: Preliminary Amendment
)
) Group: Not yet assigned
Serial No.: Not yet assigned)
) Examiner: Not yet assigned
Filed: Concurrently herewith)
) Our Ref: B-4217 618885-6
For: "VOLTAGE REGULATION IN AN)
INTEGRATED CIRCUIT") Date: June 22, 2001

Commissioner of Patents and Trademarks
Box New Patent Application
Washington, D.C., 20231

Sir:

Prior to examination of the above-identified application, it is respectfully requested that the following amendments be made to the Claims:

IN THE CLAIMS

Please replace original Claims 4-5 and 8-9 with amended Claims 4-5 and 8-9, which are set forth below. (Appendix A, which is enclosed herewith, shows how original Claims 4-5 and 8-9 were amended to produce amended Claims 4-5 and 8-9.)

4. (Amended) The process of claim 2, wherein the step of computing comprises:
 - weighting the power consumption sensed in said units; and
 - adding the weight power consumption of said units.
5. (Amended) The process of claim 1, wherein said step of regulating comprises:

- computing the derivative with respect to time of the measured instantaneous power, and
- regulating said voltage according to said computed derivative.

8. (Amended) The circuit of claim 6, wherein said sensor (15, 17, 19, 21, 23) detects state change in signals output by said unit.

9. (Amended) A combination of a circuit according to claim 6 with a voltage regulator (25), said voltage regulator being connected to said circuit and receiving the power consumption computed by power calculation unit (25).

Please add the following new claims:

10. (New) The process of claim 3, wherein the step of computing comprises:

- weighting the power consumption sensed in said units; and
- adding the weight power consumption of said units.

11. (New) The process of claim 2, wherein said step of regulating comprises:

- computing the derivative with respect to time of the measured instantaneous power, and
- regulating said voltage according to said computed derivative.

12. (New) The process of claim 3, wherein said step of regulating comprises:

- computing the derivative with respect to time of the measured instantaneous power, and
- regulating said voltage according to said computed derivative.

13. (New) The process of claim 4, wherein said step of regulating comprises:

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- computing the derivative with respect to time of the measured instantaneous power, and
- regulating said voltage according to said computed derivative.

14. (New) The circuit of claim 7, wherein said sensor (15, 17, 19, 21, 23) detects state change in signals output by said unit.

15. (New) A combination of a circuit according to claim 7 with a voltage regulator (25), said voltage regulator being connected to said circuit and receiving the power consumption computed by power calculation unit (25).

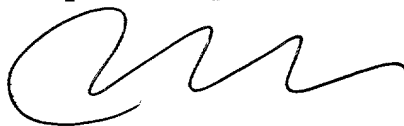
16. (New) A combination of a circuit according to claim 8 with a voltage regulator (25), said voltage regulator being connected to said circuit and receiving the power consumption computed by power calculation unit (25).

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REMARKS

This Preliminary Amendment amends Claims 4-5 and 8-9 so that these claims are no longer multiply dependent in order to reduce the official fees due in connection with this application. New claims 10-16 were added to provide similar coverage. The Applicant may elect to amend Claims 4-5 and 8-9 to make them again multiply dependent or to add additional claims to this application to provide coverage similar to, broader than, or narrower than the present claims at any time during the pendency of the above-identified U.S. application.

Respectfully submitted,



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Enclosure: Appendix A

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Appendix A

(VERSION WITH MARKINGS TO SHOW CHANGES MADE)

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4. (Amended) The process of claim 2 [or 3], wherein the step of computing comprises:

- weighting the power consumption sensed in said units; and
- adding the weight power consumption of said units.

5. (Amended) The process of [one of claims 1 to 4]claim 1, wherein said step of regulating comprises:

- computing the derivative with respect to time of the measured instantaneous power, and
- regulating said voltage according to said computed derivative.

8. (Amended) The circuit of claim 6 [or 7], wherein said sensor (15, 17, 19, 21, 23) detects state change in signals output by said unit.

9. (Amended) A combination of a circuit according to claim 6[, 7 or 8] with a voltage regulator (25), said voltage regulator being connected to said circuit and receiving the power consumption computed by power calculation unit (25).

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